

1 **Amendment to the Abstract of the Disclosure**

2 **In the Abstract of the Disclosure:**

3 On Page 34, please amend the Abstract as shown below:

4  
5 **~~CELL SUSPENSION ROTATING FLUIDIC PUMP~~**

6 **Abstract of the Disclosure**

7 A low pulsatility syringe pump including a duplex bearing set rotatingly supporting a lead  
8 screw, and a transmission having a first drive train configured to increase a number of motor rotations  
9 required for a single rotation of the lead screw, and a second drive train configured to reduce the  
10 number of motor rotations required for a single rotation of the lead screw as compared to the first  
11 drive train. Another embodiment also includes a motor configured to rotate the syringe about its own  
12 axis, independent of the motion of the lead screw. In this other embodiment, the fluid in the syringe  
13 barrel includes objects (such as cells, latex beads, etc.) entrained in the fluid. The rate of rotation  
14 (e.g., about three revolutions per second) is chosen such that each object traces a substantially  
15 circular pathway in the syringe barrel and remains in suspension.